

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-209869

(43)Date of publication of application : 30.07.2002

(51)Int.Cl.

A61B 5/055
G01R 33/3815
H01F 6/00
H01F 6/04

(21)Application number : 2001-006938

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(22)Date of filing : 15.01.2001

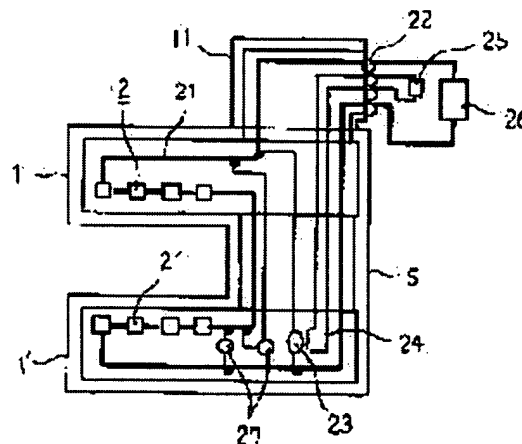
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(54) SUPERCONDUCTING MAGNET DEVICE AND ITS PRODUCTION METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a superconducting magnet device for reducing difficulty and the amount of man power required in a work for connecting a connection pipe to a pair of cryostats with reliability at a low cost and to provide its manufacturing method.

SOLUTION: The pair of cryostats 1 and 1' which are respectively constituted of a superconducting coil 2, a low temperature vessel for storing the superconducting coil and a vacuum insulation vessel for storing the low temperature vessel are mutually arranged to face each other. The cryostats 1 and 1' are connected by one connection part 5 which incorporates an electric circuit 21 for connecting the superconducting coils 2, a coolant duct for the communication of the low-temperature vessels and a vacuum duct for the communication of the vacuum insulation vessels.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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